APPENDIX A
PENDING CLAIMS

1. A procoagulant-active FVIII protein comprising a human FVIII polypeptide that is modified, wherein the modification comprises a mutation at Phe309.

2. The protein of Claim 1, wherein the mutation is a substitution.

3. The protein of Claim 1, wherein the mutation is a deletion.

4. The protein of Claim 2, wherein the mutation comprises substitution of the Phe with Ser.

5. A nucleic acid molecule comprising a nucleotide sequence that encodes the protein of Claim 1.

6. An expression vector comprising the nucleic acid molecule of Claim 5.

7. A host cell transformed or transfected with the nucleic acid molecule of Claim 5.

8. A pharmaceutical composition comprising an effective amount of the protein of Claim 1 in admixture with a parenterally acceptable vehicle or excipient.

9. A method for the production of a procoagulant-active protein comprising the steps of:

a) growing, in culture, a host cell transformed or transfected with the nucleic acid molecule of Claim 5; and

b) isolating from said host cell and culture, the polypeptide product of the expression of the nucleic acid molecule.

10. A procoagulant-active FVIII protein comprising a human FVIII polypeptide that is modified, wherein the modification comprises a substitution of the Arg residue at position 336 with Ile and a substitution of the Arg residue at position 562 with Lys.

11. The protein of Claim 10, wherein the modification further comprises a mutation at Phe309.

12. A nucleic acid molecule comprising a nucleotide sequence that encodes the protein of Claim 10.

13. A pharmaceutical composition comprising an effective amount of the protein of Claim 10 in admixture with a parenterally acceptable vehicle or excipient.

14. An expression vector comprising the nucleic acid molecule of Claim 12.

15. A host cell transformed or transfected with the nucleic acid molecule of Claim 12.

16. A method for the production of a procoagulant-active protein comprising the steps of:

a) growing, in culture, a host cell transformed or transfected with the nucleic acid molecule of Claim 12; and

b) isolating from the host cell and culture, the polypeptide product of the expression of the nucleic acid molecule.